



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	10/826,910
Filing Date	04/19/2004
First Named Inventor	SHUJI ABE
Art Unit	2087 3729
Examiner Name	UNKNOWN C. J. Arbes

Attorney Docket Number 008312-0309287

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
QJ	1	US- 4,677,037	06/30/1987	Takabayashi	_____
QJ	2	US- 4,962,462	10/9/1990	Fekete, deceased	_____
QJ	3	US- 4,968,566	11/6/1990	Lersch et al.	_____
QJ	4	US- 5,780,980	07/14/1998	Naito	_____
QJ	5	US- 5,916,699	06/29/1999	Thomas et al.	_____
QJ	6	US- 5,964,309	10/12/1999	Kimura et al.	_____
QJ	7	US- 6,326,097 B1	12/4/2001	Hockaday	_____
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
QJ	1	GB 1,131,171	10/23/1968	Hovious		
QJ	2	GB 1 304 092	01/24/1973	Bosch		X
QJ	3	EP 1 091 437	A1	Iwase		X
QJ	4	EP 1 233 468	A2	Grieve et al.		X
QJ	5	JP 2002-63920	A	Yoshida et al.	Abstract	

Examiner Signature

C. J. Arbes

Date Considered

7/20/07

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/826,910
(Use as many sheets as necessary)		Filing Date	04/19/2004
		First Named Inventor	SHUJI ABE
		Art Unit	2601 3729
		Examiner Name	UNKNOWN C. J. ABE
Sheet	2	of	2
		Attorney Docket Number	
		008312-0309287	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
da	6	JP	2002-198077	A	07/2002	Sano	Abstract
da	7	WO	98/56058		12/10/1998	Hauer	Abstract
da	8	WO	01/79012	A2	10/25/2001	Harris et al.	
da	9	WO	2004/031929	A1	04/15/2004	Ozeki	X
da	10	WO	2004/032269	A2	04/15/2004	Ozeki	X

Examiner Signature	C. G. Arbles	Date Considered	7/20/06
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Sheet 1 of 1

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Application Number	UNKNOWN 10/826,910
Filing Date	04/19/2004
First Named Inventor	SHUJI ABE
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OK	1	JP 11-103427	04/13/1999	MATSUURA	Abstract
OK	2	JP 3-224295	10/03/1991	TAKIZAWA	Abstract
OK	3	JP 2002-16524	01/18/2002	KUDO et al.	Abstract

Examiner
Signature

C. J. Culver

Date Considered

3/20/06

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<p>Substitute for form 1449B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>				<p>Complete if Known</p>	
<p>Application Number</p>		<p>10/826,910</p>			
<p>Filing Date</p>		<p>04/19/2004</p>			
<p>First Named Inventor</p>		<p>SHUJI ABE</p>			
<p>Art Unit</p>		<p>2001 3729</p>			
<p>Examiner Name</p>		<p>UNKNOWN C. J. Arbes</p>			
				<p>Attorney Docket Number</p>	
				<p>008312-0309287</p>	
Sheet	1	of	1		

NON-PATENT LITERATURE DOCUMENTS

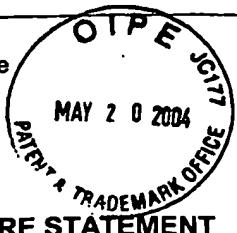
Examiner Signature	C. J. Arbes	Date Considered	7/20/06
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FORM PTO-1449 (modified)
 To: U.S. Department of Commerce
 (PW FORM PAT-1449)
 Patent and Trademark Office



Atty. Dkt. No.	M#	Client Ref.
	0309287	T4KN-03S1772-1

Applicant: Shuji ABE, et al.

Appln. No.: 10/826,910

Filing Date: April 19, 2004

3728

Examiner: UNKNOWN Group Art Unit: UNKNOWN

Date: May 20, 2004

Page 1 of 1

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
MA	AR 2002/0056134 A1	05/2002	ABE et al.			
BR						
CR						
DR						
ER						
FR						
GR						
HR						
IR						
JR						
KR						
LR						
MR						
NR						

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
CP	OR 8-32267	02/1996	Japan	INOUE	X			X
CP	PR 10-75082	03/1998	Japan	MANIWA et al.	X			X
CP	QR 11-103427	04/1999	Japan	MATSUURA	X			X
RR								
SR								
TR								
UR								
VR								
WR								
XR								

OTHER (Including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR	
ZR	
AAR	
BBR	
CCR	
DDR	

Examiner *C.J. Arbes* Date Considered: *7/20/06*

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	0309287	T4KN-03S1772-1

Applicant: Shuji ABE, et al.

Appln. No.: 10/826,910

Filing Date: April 19, 2004

Examiner: UNKNOWN Group Art Unit: 2601 8729

Date: March 14, 2005

Page 1 of 1

C.J. Arbes

U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
OR	AR	2001/0010720 A1	08/2001	Kimball et al.			
OR	BR	2004/0248436 A1	12/2004	Abe et al.			
OR	CR	2005/0003685 A1	01/2005	Abe et al.			
	DR						
	ER						
	FR						
	GR						
	HR						
	IR						
	JR						
	KR						
	LR						
	MR						
	NR						

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
						Enclosed	No
		OR					
		PR					
		QR					
		RR					
		SR					
		TR					
		UR					
		VR					
		WR					
		XR					

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR			
ZR			
AAR			
BBR			
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Examiner *C.J. Arbes*

Date Considered: 7/29/06

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